

Institute Committee Hints Budget Shakeup Near As Hearing Is Scheduled

Probable re-organization of the Budget Committee was hinted at recently when the Institute Committee disclosed that an open hearing on the Budget Committee constitution will be held Thursday, February 16, at 500 p.m. in Room 1-190.

At the same time the appointment of a committee to conduct the hearing was announced. Composed of Gerald G. Fisch '50, Robert M. Briber '52, Walter E. Casey '51, Carl F. Mellin '50, and James T. Jensen '50, the committee will hear the complaints and views of all activities.

Progress Made

Since its organization, this group has reviewed proposals presented by John C. Kern '50, Chairman of the Budget Committee, and Wesley J. Heywood, President of the Class of '52. It has also contacted the treasurers of the various activities. From discussions with these men, the committee has reached a general grasp of the difficulties.

Difficulties Realized

Two difficulties have already become apparent. How to keep a close check on Institute Committee funds and yet keep all the activities satisfied with the freedom of their budget is one of these problems; the other is how to organize the Budget Committee in order to have efficient delegation of authority and responsibility, yet keep the organization simple and effective.

Every interested person is invited to attend the hearing on February 16 to express his views on the Budget Committee constitution.

FRESHMEN ELECTIONS

The Elections Committee recently announced that the following procedure will govern the Freshman Council elections:

- 1) Nomination blanks will be available today, February 10, in the Information Office and at the Walker Memorial office in Litchfield Lounge.
- 2) These nomination blanks must be returned by 12 noon on Wednesday, February 15, to the Walker Memorial Committee office.
- 3) Elections for the Section Representative and Alternate will be conducted during each section's last D 12 class of the week February 13-18.
- 4) The organizational meeting of the newly-elected Council will be held on Tuesday, February 21, at 5 P.M., in Litchfield Lounge, in which the Secretary-Treasurer and the two Institute Committee representatives of the Class will be elected.

Is Your Instructor Conscious Of You?

"Does your instructor know you exist? Do you feel that instructors at the Institute treat you like a robot or an automaton?" A student-faculty forum entitled "Is Your Instructor Conscious of You?" will try to answer these questions on Tuesday, February 14, at 5:00 p.m. in Huntington Hall.

Dr. James R. Killian, Jr., will moderate the discussion which will

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NSA Passes On Student Rights

NROTC Loyalty Oath Deemed Unnecessary

Resolutions on student rights, Federal scholarships, human relations, and discrimination were passed at the meeting of the national executive committee of the United States National Student Association held recently at Madison.

On the question of student rights, the committee condemned a loyalty oath being taken by Naval Reserve Officer Trainee Corps students at Harvard and the University of North Carolina. The student council at Harvard has consistently opposed the loyalty oath provisions imposed by the NROTC.

"Informing"

Although NSA is on record as supporting loyalty oaths where they are necessary for U. S. security, the committee said these oaths were "too sweeping" and "not restricted to the needs of national security." The Harvard oath also includes a clause that stipulates that NROTC students "inform" on other students who participate in the activities of groups on the Attorney General's list of subversive organizations, besides not participating in them.

The executive committee passed a double-edged program on campus discrimination, which will call for publishing facts on what various schools are doing to solve their particular discriminatory problems.

Electronic Computers Permit Water Power Project Surveys

Electronic computers which will give a television-like picture of how water behaves may help make possible more efficient use of water supplies and water power, according to engineers at the Institute. Such developments are of obvious importance to water power development, especially in times of short supply, they point out.

Under a special grant from the Research Corporation of New York, the hydraulics division of the civil engineering department is studying possible applications of so-called analog computers to make hydraulic engineering predictions faster and more accurate.

Makes Surveys Feasible

Out of the work, one of a number of basic engineering research studies now in progress in the field of hydrodynamics, may come new ways of predicting accurately and rapidly the behavior of water in all kinds of complicated systems, according to Dr. Arthur T. Ippen, professor of hydraulics. Such detailed studies are not economically feasible by conventional methods.

A calculation is performed by an array of interconnected electronic

Senior Mug Lift Will Fill Rockwell With Men and Beer

As a sequel to last year's Junior Mug Lift, the Class of 1950 will present a Senior Mug Lift on Tuesday, February 21. The event, to be held in Rockwell Cage, is scheduled to commence at 8:30 p.m. and will continue until midnight. A six-piece Dixieland band and all the beer one can drink are scheduled as highlights of the evening.

Tickets for the Lift at \$1.75 each will go on sale for seniors in the lobby of Building Ten on Monday, February 13. In addition to light and dark beer, refreshments will include coke, pretzels, hot dogs, and potato chips. Everyone attending will receive a fourteen ounce copper "Moscow Mule" beer mug decorated with an appropriate decal.

Running the night for the senior class are Robert W. Mann, Thomas J. McLeer, John T. Weaver, and Harvey R. Nickerson. "With all the beer you can drink and a beautiful and useful beer mug as well, it seems like a good buy at the price," Nickerson reminds the seniors.

SENIOR WEEK

In keeping with the policy of informing seniors of the latest developments in plans for Senior Week, June 2 through 9, the Senior Week Committee would like to announce that the ballroom of the Hotel Somerset has been engaged for the Senior Ball. Brad Kent's orchestra will provide the music. Further plans will be announced as they develop.

computers—small boxes that look much like an ordinary radio set. Connected together in various ways, the boxes can be made to give the answers to a great variety of specific mathematical problems. The results are viewed on a screen similar to that of a television receiver.

Involved Effects

Typical water behavior problems of practical importance occur in everyday operations of hydroelectric plants. When the gate on a five-foot pipe to a turbine is opened, the effects throughout the water system and the plant's electric network may be widespread, important, and difficult to predict.

Some problems are so complicated to calculate that power plant engineers have never studied them; in practice, systems are empirically made to perform adequately without a clear understanding of why they do so. Now there is the possibility of using analog computers to obtain a scientific and relatively inexpensive solution to these problems. The result may be better performance at less cost in future hydroelectric installations.

(Continued on Page 4)

Three Percent Of Students Fail; Figure Shows Slight Decrease As '52 Suffers Heaviest Loss

114 Undergraduates Part Company Percentage Still Above Postwar

Despite rumors to the effect that an excessively large number of students were disqualified by the registrar's office at the end of last term, figures from the office of the dean of students indicate that in general the percentage of students failing was no greater than in the corresponding term in previous years and in two classes the figures were lower.

College Graduates Needed By Army In Technical Class

Regular Army Commands Granted Graduates Of Recognized Institutions

Commissions in the Regular Army are now being offered to men graduating from recognized colleges and universities in February and June. These commissions are open to prospective graduates who meet the qualifications and are specializing in technical categories especially needed by the Army at this time.

The specialties now considered critical include: physics, nuclear physics, chemical engineering, meteorology, bacteriology, industrial engineering, metallurgy, mathematics, geology, industrial management, architecture, civil engineering, aeronautical engineering, food technology, bio-chemistry, acoustics, experimental psychology, radio engineering, photography and motion picture production, highway traffic engineering and management.

Applicants must possess a master's or doctor's degree from a recognized college or university, or a bachelor's degree with at least three years of practical experience in any of the specialist categories listed. They must be between the ages of 21 and 27. Applications may be forwarded to Commanding General, First Army. Further details may be obtained from any local Army installation.

Dorm. Comm. Plans Spring Dance, Feb. 17

Dormitory Committee's Spring Acquaintance Dance is scheduled for Friday, February 17, in Morse Hall from 8:30 p.m. to 12:00. Ken Reeves band will supply the music for the affair. Girls from most of the neighboring schools have been invited. Tickets at \$1.20 per person will go on sale in Building Ten in the near future.

The Dorm Social Committee, with Donald Bishop, '50 and Robert Wolf, '50 as Co-Chairmen, have arranged to have girls from Radcliffe, Lesley, Emerson, B.U., Simmons, Bouve, Pine Manor, Sargent, Bradford and Lasell present, in all about 350.

W.M.I.T. MEETING

An important general meeting of W.M.I.T. will be held in Ware Lounge, on Thursday, February 16, at 5:15 p.m. The entire staff of W.M.I.T. and anyone else who is interested in radio is cordially invited to attend.

One hundred fourteen students, or three per cent of the total enrollment, parted company with the Institute last term. This total included 3.4 per cent, or twenty-five, Freshmen; 3.7 per cent, or thirty-three, Sophomores; 3.6 per cent, or thirty-seven, Juniors; and 1.6 per cent, or nineteen, Seniors. Corresponding percentages for the fall term last year were 4.0, 4.1, 3.5, and 1.6.

Steady Drop

Average figures for the years 1932 through 1936 show that approximately 4.1 per cent of the undergraduate body became ineligible to continue with the spring term. In the years 1939 to 1942, the average percentage was 3.0. Postwar figures (1945-1948) indicate that about 2.5 per cent of the undergraduates failed in the fall term. This steady drop is not considered too significant by the dean's office because of the relatively small amount of data from which the figures were compiled.

Failures by a number of prominent students including several members of the Institute Committee have led to the rumors that an unduly large number of students have been disqualified, but as the figures show, such is not the case.

LSC To Present Religious Quorum

Three Prominent Men Speak Thursday Night

"Jesus—The Man and His Work" will be the subject of discussion next Thursday evening at eight o'clock in room 10-250, when the Lecture Series Committee will present three prominent personalities in the field of religion.

Orthodox Christianity's point of view will be presented by Professor Ferdinand J. Denbeaux, Professor of Biblical History at Wellesley College, and prominent neo-Calvinist. Professor Denbeaux, a native of St. Louis, studied at Amherst and did graduate work at the Union Theology Seminary. During the recent war he served as chaplain; since that time he has been on the faculty of Wellesley College.

The liberal Christian outlook will be presented by Rev. Leonard G. Clough of the First Church in Cambridge, Congregational. Rev. Clough studied at Bates and received his Bachelor of Divinity degree at the Yale Divinity School in 1943.

Rabbi Maurice L. Zigmond will provide still another aspect of this fundamental question. Rabbi Zigmond is New England Regional Director of the Hillel Foundation and Assistant Professor of Anthropology at Yale, where he teaches a graduate seminar on "The Culture of the Near East."

All are welcome to attend and participate in the question period following the three talks.

The Tech

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NO. 4

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PLAN FOR HANDLING ABSENCES—

The medical excuse system was flagrantly abused and so it has been rightfully abolished. The physicians on the Infirmary staff will now have only real illnesses to contend with, and no more of the wierd ailments concocted by imaginative students who want to cut quizzes. Student medical records certainly will indicate a tremendous improvement in the "health" of many undergraduates. Homberg will concentrate on dispensing cures for physical ailments instead of reprieves for academic failures.

Those ethical students who shunned the medical were seriously handicapped. We know of a person who missed a quiz because he had overslept. He went to his instructor and explained that his absence was the fault of his unfaithful alarm clock, mentioned that he could very easily have gotten a medical for a "sore throat" but he thought honesty was the best policy, and asked if he could take a make-up exam. The professor's reply was rather astonishing. He said that he admired the student's honesty, but that oversleeping was not a legitimate excuse and after all, wouldn't it have been better all around if he had gotten the phony medical? Zero on the quiz.

The professor was legally justified in failing the student, painfully pointing out that under the recently abandoned system honesty would reap none of its immediate rewards offered by an easily falsified medical excuse.

Now the problem of absence has been turned over to the departments, each to handle it in its own way. We sincerely hope that in developing their policies the departments have considered the fundamental problem and have evolved some just and efficient plans. A minor revision of the old system would be sufficient. To leave the matter to the individual instructors would also be unsatisfactory, since then there would be no coherent policy at all.

There are some valid reasons for missing quizzes. When a quiz is missed for a valid reason, the student should not be too heavily penalized. A student cuts a quiz only when he thinks that it is to his advantage to do so. If he is far behind in his work, or if he anticipates an unusually difficult quiz, he might stay in bed that morning rather than chance a grade far below his term average. If the absence is excused, he has succeeded in maintaining an average higher than he warrants. In the past the student with a valid reason for absence was either excused entirely from the quiz or else he took a make-up exam at a convenient time. An official medical excuse comprised a valid reason for the absence. In general the student who admitted that he intentionally cut the quiz was punished with a zero or failure. The system suffers one damning fault: there is usually no way of actually determining whether the student has a valid reason for absence or whether he cut the exam. As long as he can easily falsify an excuse, the system is worthless.

There is just one way to eliminate quiz cutting. If there is no particular advantage to cutting a quiz, even if the student expects a grade below his average, he will not intentionally cut it. A close approximation to this problem is fairly simple, and it is used in modified form in at least one department at the Institute. If a student misses one quiz for any reason whatever, he gets a zero. In calculating his quiz average for the term, his lowest quiz grade is omitted. Thus if he misses one quiz for a valid reason, he is not seriously penalized. At the same time there is no incentive to cut when an exceptionally low grade is anticipated. If a student who is temporarily swamped finds himself with an M12 quiz tomorrow, he will take it to get any grade rather than a zero for cutting. If his fears are realized and he gets his lowest grade of the term, nothing is lost for it is omitted from his average. On the other hand there is always the possibility that he will be able to get a passing grade, and realizing this he will take the quiz.

Only in the case when he misses a second quiz is it necessary to resort to the usual methods and determine whether the absence is legal or not.

Because it eliminates the usual motive for cutting quizzes and at the same time allows legitimate absence, we urge that this system be considered by all departments and adopted wherever possible.

Boston Baedeker

By RICHARD J. POWELL

If you haven't, you should. This is my advice to all those (that is, those that do not put nickels in nickelodeons) not having gone to one of this season's Boston Symphony concerts. Many of the orchestra's admirers, including myself, were a bit skeptical of how well this man Muench would fill the big shoes of Koussevitzky. Ichabod could not have filled them better. The concerts last Fall convinced most Bostonians that their "Koussy" was replaced by an exceptionally fine musician. Charles Muench has won the respect and admiration not only of his audiences but also of the orchestra members, and their playing shows it.

The concerts this Friday afternoon and Saturday evening at Symphony Hall should be attractive to habitués and neophytes alike. Muench will be conductor and the violinist Isaac Stern is to be the soloist in the Concerto for Violin and Orchestra by William Schuman and also the Mendelssohn E Minor Concerto. Barber's Overture to "The School for Scandal" and the Symphony No. 5 in D Minor, the "Reformation" Symphony of Mendelssohn complete the program.

There are two other concerts this Sunday afternoon that should be of interest to Tech music lovers. At Jordan Hall a famed Russian pianist offers an engaging selection of works: Beethoven's "Pathétique" Sonata, the Kreisleriana of Robert Schumann, Moussorgsky's Pictures at an Exhibition, and two impromptus, five etudes, and the Scherzo in B Minor of Chopin. Also

(Continued on Page 4)

THEATRE TALK

By JAY FLEISHMAN

The Madwomen of Chaillot. The warm-hearted lunacy which focuses this old globe into a semblance of sanity is a very special gift of the lady who lives at 21 Rue de Chaillot. With her three fellow crones who have been succinctly preserved since 1904 in buttered rum and sentimental cobwebs, she plots the salvation of mankind. Our heroine, with a blithe gesture condemns the arch-villain of society, the financiers, the prospectors, the public relations counselors, and the fashionable sirens of the plunging neckline into the voids of the Paris sewers. Thus the Madwomen earns the joyous gratitude of the Parisian crowds, ragpickers, deaf-mutes, et al, and the plaudits of the American first-nighters for one of the finest plays of the season.

The basic recipe of Gallic wit and satire is made more appetizing by touches of fantasy and comic-melodrama. It is a procession of caricatures taken in two by the Madwoman as she hurls the planet into the millenium with her stubborn faith in the human heart.

Rounding out this remarkable



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In The Spotlight

By DAVE BOSSEN

Dr. Edgerton is the Course VI professor who is responsible for the exhibition of high speed photography that recently was shown in the lobby of Building 10. This remarkable photography method was made possible by the development of stroboscopic flash equipment. Dr. Edgerton pioneered in the stroboscopic field shortly after he came to Tech in 1926.

Native of Nebraska

Nebraska is Edgerton's native state and Fremont his home town. After securing his Bachelor's degree from the University of Nebraska in 1925, the Doctor studied at Schenectady for a year with General Electric. Feeling he wished to learn more about synchronous motors and the like, Edgerton came to the Institute in 1926 as a graduate student. While studying motors he became cognizant of the need for a method of freezing the motion of the motor in order to study it effectively. Stroboscopic light was developed to fill this need.

Published Book

Professor Edgerton has done much work with the armed forces in connection with the stroboscope. It is used not only as a research instrument for purposes such as stopping projectiles in flight, but also is used to provide illumination for night aerial photography.

Professor Edgerton and Dr. Killian published a book, *Flash*, in 1939 which contained many high speed photographs taken by Edgerton. This book was the outgrowth



DR. HAROLD E. EDGERTON

of many photos that had appeared at that time in the *Tech Review* of which Dr. Killian was editor.

Working on Difficult Problem

Dr. Edgerton is living now in Belmont. He is married and has three children. His oldest, a daughter, is 18 and attends Jackson College. He also has two sons, 16 and 14, who say they are not a bit interested in teaching.

At present Edgerton is working on one of his more difficult problems—that of learning to play the guitar. We hope that Mrs. Edgerton is a patient wife.

Studies Hummingbirds

Naturally Dr. Edgerton is interested in amateur photography and has done quite a bit of work along that line. All moving objects seem to fascinate him, but his favorites are hummingbirds, trapeze artists, and acrobats. In fact, next summer, Dr. Edgerton plans to journey to Arizona with the National Geographic Society to study hummingbirds and take pictures of them in flight.

This term, Edgerton is teaching 6.01. Any embryo E.E. men would do well to take the course now for if the course can be made at all interesting, Dr. Edgerton will do it.

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FRIDAY, FEBRUARY 10

New England Baptist Hospital—Nurses home, 220 Fisher Ave., Roxbury.—Informal record dance—admission nominal—should be small affair. 8:00-12:00. Mt. Auburn Hospital—Farewell dance for class graduating in Feb.—Margaret Jewell Hall. Subway to Harvard Sq. Waverly car to hospital. No admission. 8:30.

Lasell Jr. College—Record acquaintance dance to be held in their gym, Winslow Hall, located in Auburndale. Straight out Commonwealth Ave., to junction Route 16. Usually over a 100 girls present, and last time they far outnumbered the men. We highly recommend. 8:00.

Mass. Memorial Hospital—Informal dance at Vose Hall—nurses home, 10 Stoughton St. Straight down Mass. Ave., to Roxbury. Admission 40c. 8-12. Canterbury Club—Another dance at Trinity Church at Arlington St. Stn. Often good caliber here, mostly church young people's groups. Nice to drop in later if making the rounds. No admission but nominal donation. 8-12.

Beta Sigma Phi—Sponsored by girls working in Boston City Government. Dance is at one of large hotels. Sounds novel and worth investigating. Information lacking at press time. Check with Mary Burke at TCA or Jim Baker, Dorms, if interested.

SATURDAY, FEBRUARY 11

Chatterbox Club—Chatterbox carnival sponsored by society charity club. Held at Hampshire House, 34 Beacon St. About 150 girls 21 and up. Orchestra—no admission. 8:30.

Sargent College—Record dance in gym at 6 Everett St. Walk up Mass. Ave., from Harvard Sq. Slightly northeast Christian Science temple. Admission 50c. Good one to visit early.

Aristos Club—Sweetheart dance at University Club. 150 girls—orchestra. No admission. We favor Chatterbox first, but this could be good. Near Mechanics Stn. Older, working girls. 8:00.

Carleton Club—Regular dance at Hotel Commander, but have started charging 60c admission. Across yard at Harvard Sq.

SPORTS

FRIDAY, FEBRUARY 10
Pro Basketball at the Garden—St. Louis vs. Boston Celtics.

SATURDAY, FEBRUARY 11
Professional Hockey—The front running Detroit Red Wings vs. the Boston Bruins at the Garden.

SUNDAY, FEBRUARY 12
Professional Hockey—Montreal Canadians vs. Bruins at Garden.

TUESDAY, FEBRUARY 14
College Basketball—Holy Cross vs. Boston College at the Garden. Columbia vs. Harvard at the Boston Arena.

Plane-Radar Team Used To Facilitate Weather Research

Have you wondered about the curious apparatus on top of Building 24? It is radar antennae used in the weather research program sponsored at the Institute by the U. S. Army Signal Corps.

The purpose of the project is to study the use of radar in measuring the return from any kind of precipitation. Translated, this means that study of the radar picture can tell us whether rain, sleet, or snow is contained in the clouds. In addition radar can plot the exact position of the clouds and, through constant observation, can study the path of low and high pressure areas.

Most of the work is done on the 5th and 6th floors of Building 24, but the project also has a plane assigned to it. This plane is a B-17, furnished by the air material command. During storms, flights are scheduled, and members of the project go up in the plane and transmit information back to the lab, where it is studied.

ON SCREEN

Devil in the Flesh—Beacon Hill—This French triumph in its 11th week in Boston. It's easily the finest film in town.

Tight Little Island—Excellent, earthy comedy at times happy and hilarious.

ON STAGE

The Madwoman of Chailot—Shubert—Delightful combination of wit and humanity—stars Martita Hunt—Matinee's Sat., evening 8:30.

Yes, M'Lord—Wilbur—This comedy is an audience's delight—Eves. 8:30—Matinee's Thurs. and Sat.

A Streetcar Named Desire—Plymouth—by Tennessee Williams—Pulitzer Prize and Critic's Award—very highly recommended. Starts Monday.

Diamond Lil—Plymouth—blowsy Mae West. Now. Evening at 8:40, Sat. aft. at 2:40.

Dr. Austin Speaks Sunday On Weather

Connoisseur to Relate Problems of Forecasting

"Why Do We Have Weather Changes?" and "The Fundamental Forecast Problem" are two of the concepts which Dr. James M. Austin, Associate Professor of Meteorology here at the Institute, will discuss in a lecture entitled "The Problems of Weather Forecasting" to be given Sunday, February 12, at 4:00 p.m. in Huntington Hall.

Dr. Austin will also take up the subjects of "How Is the Weather Associated with the Identifiable Features of a Weather Map?" and "The Development of Forecast Methods." He will also attempt to explain errors in weather forecasting.

Sponsored by the Society of Arts, this will be the third of a series of popular science lectures. The fourth and concluding lecture, entitled "Modern Communications," will be given on March 12 by Professor Jerome B. Wiesner.

I've got your coat,
You've got mine.
Both coats are brown.
Mine has a Hilton Co. label,
Yours has a Simon Ackerman label.

Please Contact
MARVIN GROSSMAN

Box 419, Dormitories

Baseball Practice Opens; Season Starts March 28

Courtmen Meet Stevens Tomorrow; Natators In Action

Techmen will have a chance to see their basketball team in action tomorrow night, as the Beaver basketball team return to the wars engaging Stevens Tech at 8:00 p.m. in Walker Gym. Victorious 59-51 over W. P. I. in their last home start, Lou Morton & Co. will be going after their fourth victory.

Bad breaks helped the Stevens team upset the Engineers last year, but Coach Ted Heuchling holds high hopes for a reversal of that verdict. The game bus arrived late last year, and as a result the Beaver Hoopsters were forced to start the game immediately after a grueling seven hour bus ride. The tired Techmen couldn't hit their stride during the first half, and though they came fast in the second half the deficit was too great and Stevens left the court with a 61-55 win.

The swimming team will also be at home this weekend, playing host to the University of Connecticut Huskies in Alumni Pool at 4:00 p.m. this afternoon. Coach Smith's proteges, who have won two out of their last three meets, will try for their third win before traveling to Tufts for an engagement on Saturday.

Swimming Course Now Being Offered By A.A.

Due to a demand on the part of some students, the Athletic Department will offer regular classes in advanced swimming, open to all students. The time for these classes will be either from 3:00 to 4:00 p.m. on Tuesday or from 9:00 to 10:00 p.m. on Wednesday.

Anyone interested in taking the course should leave a note in the AA office, indicating which of the hours he prefers.

50 Candidates Report For Initial Workout

Fifty candidates reported to Coach Warren Berg at the Briggs Cage yesterday for the opening work-out of the Technology baseball squad. A large turnout of letter-men, led by Captain John MacMillan of Delmar, N. Y., took part in the pepper-games and general conditioning work. The Engineers will tackle the most ambitious schedule ever attempted by a Tech squad when they open March 28th at Lexington, Va. against Washington and Lee. This game will be followed by four vacation-trip games before the local season opens on April 12th against Boston University.

Among the returning lettermen are Gene Lubarsky, hard-hitting catcher; outfielders Barney Byrne and Pete Philliou, and infielders Warren Fenster, Gerry Kiely, and Mike Celentano. Joe D'Annunzio, counted on to hold down the third-base slot for the Engineers, was injured during the winter and it is doubtful whether he will see action. Several members of last year's freshman squad are also competing for varsity spots. The schedule:

March 28—at Washington and Lee
March 29—VPI at Blacksburg, Va.
March 30—American University at Washington, D. C.
March 31—at George Washington, Washington, D. C.
April 1—at Upsala, Orange, N. J.
April 12—at B. U.
April 19—Wesleyan
April 24—at Northeastern
April 27—B. C.
April 29—at Providence College
May 3—Tufts
May 6—at Worcester Tech
May 13—A.I.C.
May 17—Harvard
May 19—at Colby
May 20—at Bowdoin

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Dr. Sheehan To Speak On The Synthesis Of Peptides

Dr. John C. Sheehan will be the speaker at a Biology Department Colloquium entitled "New Syntheses of Peptides and Amino Acids" on Tuesday, February 14, at 4:00 p.m. in Room 10-275. The public is invited. Dr. Sheehan, who is a member of the Department of Chemistry has been prominent in the synthesis of peptides and polypeptides.

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Activities Ball To Be March 10 In Morss Hall

Brad Kent Will Play; Entertainment Features Tech Show Selections

On Friday, March 10, the Activities Ball will take over Morss Hall for the annual formal sponsored by extra-curricular organizations. Brad Kent's orchestra will provide music for the formally attired couples who attend the dance.

Each Class A activity receives ten bids, while Class B groups each receive four bids for the dance. The invitations are distributed among the officers and more prominent members of the groups at the discretion of the individual activity heads. Since the affair has as its purpose the recognition of student leaders through their invitation to the ball, no bids will be available to the general student body.

Entertainment

According to dance co-chairmen Harold Lawrence '52 and Bertrum Jamieson '52, the intermission entertainment will be provided by various student groups. Cast members of Tech Show 1950 promise several selections from the coming musical "Stranger in Town." Decorations for the dance will stress giving Morss Hall a "new look." Harold Rich '51 is chairman of a group of architecture students who have designed decorations with a modern note.

Several faculty members, connected with undergraduate activities will be invited to attend the affair as chaperons. The planning committee is composed of representatives from Class A activities.

Student Forum

(Continued from Page 1)

have as speakers Professors John T. Rude and Warren K. Lewis. The student body will be represented by Joseph S. Gottlieb '50 and John A. Jacoby '50. The forum is dedicated to achieving closer unity between instructors and students, and the airing of the ideas of both.

Last year the Student Faculty Committee conducted two such forums on the quality of teaching at the Institute and on the question of quizzes and their frequency.

"Personnel Workshop," Tea, Film Soon To Be Presented In Hayden By Course XV

A display of publications prepared by several hundred companies for their employees is planned for showing in Dewey Library, Hayden Memorial Library, on Thursday and Friday, February 23 and 24, under the combined auspices of Course XV and the Industrial Relations Section.

"Personnel Workshop" which consists of company publications illustrating representative employee magazines, benefit programs, merit rating procedures, salary and wage administration arrangements, and other aspects of personnel administration have been obtained on loan from New York headquarters of the American Management Association by Professor Erwin H. Schell, Head of Course XV and a vice president of the A. M. A.

Display Acclaimed

The display, which has been acclaimed by personnel administrators and business leaders as "the greatest concentration of practical examples of personnel practice available," is to be managed by members of the M.I.T. Management Association, the professional society of Course XV.

In connection with the showing, the Industrial Relations Section is planning an afternoon tea and evening program for its industrial

sponsors and for its graduate students and those of Course XV.

These meetings will be addressed by Mr. Lawrence A. Appley, ex-vice president and member of the Board of Montgomery Ward and Co., and now President of the American Management Association. He will speak at a tea in the afternoon in the Faculty Lounge of the new Hayden Memorial Library on the subject of "The Personnel Function in Industry" and in the evening on "Executive Development in Industry."

Films to Be Shown

As a supplement to these activities, two films on personnel administration are to be shown in the new projection room in the basement of Hayden Library from 2-3 on Thursday afternoon and from 2-5 on Friday. The first is a production of the Twentieth Century Fund entitled, "Productivity, Key to Plenty" while the other was produced by a large industrial concern for its own employees.

Water Power

(Continued from Page 1)

Surge Studies

The first problem up for detailed study, according to Mr. Paynter, is the behavior of surge tanks—devices incorporated in most hydroelectric systems to help eliminate changes in water pressure as gates and valves are opened and closed. He plans to make a thorough analysis of such tanks—and hopes to come out with a way definitely to determine the sizes and designs most suited to particular needs.

This interrelation, according to Paynter, is not easily calculated by conventional methods. He hopes that the use of analog computers on many difficult problems will go beyond the simple calculations now economically feasible.

All students and staff are welcome to visit the showing of Personnel Workshop on both Thursday and Friday and to the film showings.

Baedeker

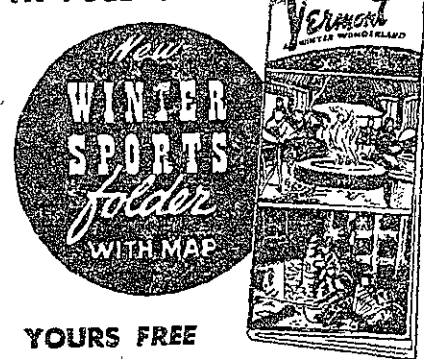
(Continued from Page 2)

this Sunday afternoon the New England Opera Theater under the direction of Boris Goldovsky will present Verdi's Rigoletto at the Boston Opera House.

For those that like their culture free, Edmond Hurshell, bass-baritone, and Mildred Moore, pianist, are to be the recitalists at the Gardner Museum, 2:30 this Sunday.

Fortunately or unfortunately, as the case may be, the Metropolitan Opera Company is to be in Boston during the Spring vacation, March 27 through April 2. The following operas shall be given: March 27, Manon Lescaut; March 28, Faust (sold out); March 29 matinee, Rigoletto with the recently much acclaimed Perlea conducting; March 29 evening, Die Walkure; March 30, Tosca (sold out); March 31, Simon Boccanegra; April 1 matinee, Der Rosenkavalier (sold out); April 1 evening, Aida (sold out); April 2, Lohengrin. To obtain tickets for those operas not sold out contact the box office of the Boston Opera House immediately.

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